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The present invention is a process for obtaining a fragment of bovine DNA which has a defined size and sequence and is specific to bovines, and in particular the species *Bos taurus* and *Bos indicus*, from a sample of organic matter, and a process by which a defined sequence of the bovine genome present in bovine genomes but absent from the genomes of other animal species is amplified by a polymerase chain reaction.

(no figure)